

February 24, 2003

for 09/298008

File 16:Gale Group PROMT(R) 1990-2003/Feb 21
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 File 634:San Jose Mercury Jun 1985-2003/Feb 20
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 File 553:Wilson Bus. Abs. FullText 1982-2003/Jan
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 File 635:Business Dateline(R) 1985-2003/Feb 22
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Set	Items	Description
S1	799	SUBSCRIBER?()LINE?()INTERFACE?()CIRCUIT?
S2	702238	INTEGRATED()CIRCUIT? OR IC OR (PC OR PCMCIA OR MEMORY OR R-OM OR RAM OR CHIP OR PLUGIN)(2N)CARD? OR INSERTION()BOARD? OR ASIC OR DISCRETE()COMPONENT?
S3	1311326	SEMICONDUCTOR? OR CMOS OR NMOS OR PMOS OR (COMPLEMENTARY OR POSITIVE()CHANNEL OR NEGATIVE()CHANNEL)()METAL()OXIDE()SEMIC-ONDUCTOR?
S4	4719605	TIP OR SEND? OR DISPATCH? OR TRANSMIT? OR TRANSMISS?
S5	13427172	RING OR RETURN? OR RECEIV?
S6	11618925	SENSE? OR SENSOR? OR SENSING OR DETECT? OR RECOGNI? OR ISO-LAT? OR CALCULAT? OR IDENTIF? OR UNCOVER? OR DIAGNOS?
S7	8354427	ADJUST? OR ACCLIMAT? OR ACCOMODAT? OR ADAPT? OR CONFORM? OR TAILOR? OR MODIF? OR ALTER? OR CUSTOMI? OR READJUST?
S8	19517521	CURRENT? OR VOLT? OR POWER? OR ELECTRIC? OR SIGNAL?
S9	3982	LINEFEED? OR LINE()FEED?
S10	26	S1(S)S2(S)S3
S11	273	S1(S)(S2 OR S3)

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S12	9	S11(S)S4(S)S5
S13	7	S12 NOT S10
S14	291031	S6(3N)S8
S15	243331	S7(3N)S8
S16	11	S1(S)(S14 OR S15)
S17	0	S16(S)S9
S18	0	S17 NOT (S13 NOT S10)
S19	2	S16(S)S4(S)S5
S20	0	S19 NOT (S18 OR S13 OR S10)
S21	0	S20(S)(S2 OR S3)
S22	887	S2(S)S3(S)S4(S)S5
S23	45	S22(S)(S14 OR S15)
S24	0	S23(S)S9
S25	16	RD S10 (unique items)
S26	7	S13 NOT S25
S27	29	RD S23 (unique items)
S28	29	S27 NOT (S25 OR S26)

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25/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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09706347 Supplier Number: 84665729 (USE FORMAT 7 FOR FULLTEXT)
Intersil Provides Complete Voice Access Solution for iCable System's Gateways; Intersil's Complete Solution Reduces Costs and Time to Market.
Business Wire, p2196
April 11, 2002
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1205

... The two voice ports for the ICS-112C are accomplished using two Intersil ISL5586 Ringing **Subscriber Line Interface Circuits** (RSLICs) and a single ISL6401 power controller. The Intersil Endura ISL6401CB power IC supplies line and ringer voltages, necessary to power the two analog phone ports.
The ICS...

25/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

08980685 Supplier Number: 78109128 (USE FORMAT 7 FOR FULLTEXT)
Oki Semiconductor and Intersil Collaborate to Market Integrated CODEC And SLIC Solution for Voice Application Design Market.
PR Newswire, pNA
Sept 11, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 850

Broad Voice Signal Range
SUNNYVALE, Calif., Sept. 11 /PRNewswire/ --
Oki **Semiconductor**, a leading technology partner for the new era of digital communications and convergence, today announced...

...integrate and market combined CODEC and SLIC solutions to the voice application design market. Oki **Semiconductor** has released a new ML7033 dual-channel voice CODEC **CMOS IC** for voice signals that seamlessly interfaces with the Intersil RSLIC18(TM) family of **subscriber line interface circuits** (SLICs). Converged voice/data systems manufacturers developing the next generation of Voice over Broadband (VoBB...

25/3,K/3 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06930039 Supplier Number: 58536249 (USE FORMAT 7 FOR FULLTEXT)
Silicon Laboratories Introduces ProSLIC(TM) Family; First Integrated CMOS Analog Telephone Interface.
PR Newswire, p9842
Jan 12, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 666

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...12 /PRNewswire/ -- Silicon Laboratories Inc. today announced the Si3210 ProSLIC, the world's first integrated **CMOS** analog telephone interface. The Si3210 integrates the **subscriber line interface circuit** (SLIC),

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codec, and DC to DC converter controller into a single **CMOS integrated circuit**, providing 30 percent cost savings and 50 percent board space reduction compared to traditional multi...

25/3,K/4 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01606513 Supplier Number: 41979719 (USE FORMAT 7 FOR FULLTEXT)
Quad Video Amp, and Subscriber Line Interface
Semiconductor Industry & Business Survey, v13, n4, pN/A
April 1, 1991
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 327

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
Harris **Semiconductor** now has a four-channel, switched-input video op amp. Called the HA-2444, it...

...low differential phase (0.03 degrees) and gain (0.03%). It's the first video **IC** to incorporate four differential op amp input stages, digital selection logic, and an output buffer...

...Andy Foor, product marketing manager, (407) 724-3567 Harris has also expanded its range of **subscriber line interface circuits** (SLICs) with a chip for central office telephone switching equipment -- but also applicable in PBX...

25/3,K/5 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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01650587
Ewig To Market Interface Circuit for PBX Use.
COMLINE TELECOMMUNICATIONS March 10, 1987 p. 2

From April, Ewig Corp. will market the "PBL 3762" **subscriber line interface circuit** (SLIC), developed by the Swedish **semiconductor** device vendor A/B Rifa. The PBL 3762 is a 75 V bipolar **IC** that integrates mesh circuitry, a ground key, a ring detection function and a ring relay...

25/3,K/6 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01509556
EXTENDED TEMPERATURE RANGE OPERATION FOR THE HARRIS MONOLITHIC SUBSCRIBER LINE INTERFACE IC.
NEWS RELEASE June 24, 1986 p. 1

Harris **Semiconductor** Analog Products Division has extended the temperature range of operation available for its HC-5504 monolithic PBX **subscriber - line interface circuit** (SLIC) The HC-5504, first introduced in 1983, incorporates most of the functions required in a SLIC network on a single **integrated circuit**, including DC battery feed, hybrid (2-wire to 4-wire conversion), overvoltage protection (with the...

25/3,K/7 (Item 3 from file: 160)

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DIALOG(R)File 160:Gale Group PROMT(R)
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01145501

SGS Introduces 2-Chip-Set SLIC.

ELECTRONIC ENGINEERING TIMES October 29, 1984 p. 67

SGS Semiconductor has developed a subscriber - line interface circuit comprising only 2 integrated circuits . Battery feed, overvoltage protection, ringing, signaling, control and hybrid functions are integrated in this new...

25/3,K/8 (Item 4 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)
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01092069

SGS Introduces Interface Circuit.

ELECTRONIC NEWS October 22, 1984 p. 65

SGS Semiconductor introduced a 2- IC Subscriber Line Interface Circuit (SLIC) that integrates all Borsch functions, eg, battery feed, over-voltage protection, ringing, signaling, control...

25/3,K/9 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

12134349 SUPPLIER NUMBER: 60088338 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Analog Telephone Interface Cuts Costs And Board Space.

Electronic Design, 48, 4, 138

Feb 21, 2000

ISSN: 0013-4872 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 198 LINE COUNT: 00020

TEXT:

The Si3210 ProSLIC, a monolithic analog telephone interface, integrates the subscriber line interface circuit (SLIC), codec, and dc-dc converter controller into a single CMOS integrated circuit . This provides a 30% cost savings and a 50% board-space reduction compared to traditional...

25/3,K/10 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07498124 SUPPLIER NUMBER: 16180018 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Harris shows new IC for PBX systems. (Harris Semiconductor introduces HC5506 PBX dual subscriber line interface circuit) (Product Announcement)

Electronic News (1991), v40, n2023, p96(1)

July 18, 1994

DOCUMENT TYPE: Product Announcement ISSN: 1061-6624 LANGUAGE:

ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 372 LINE COUNT: 00029

Harris shows new IC for PBX systems. (Harris Semiconductor introduces HC5506 PBX dual subscriber line interface circuit) (Product Announcement)

25/3,K/11 (Item 3 from file: 148)

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DIALOG(R)File 148:Gale Group Trade & Industry DB
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02199300 SUPPLIER NUMBER: 03430313 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Harris Corp. expects substantially improved fiscal-year operating results
and is continuing research and development effort.**

PR Newswire, NYPR83

Sept 13, 1984

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1049 LINE COUNT: 00087

... that can handle up to 400 telephone lines.

He said that more than 100 new **semiconductor** products were introduced. These included: the first **CMOS** version of the Intel 8088 microprocessor; the first radiation-hardened **CMOS** version of the Intel 8085 microprocessor; a second generation 12-bit analog-to-digital converter; a monolithic central office **subscriber - line interface circuit** ; and the first commercially available gallium arsenide digital **integrated circuits** .

Boyd also pointed out that there are five major ongoing development programs that are expected...

25/3,K/12 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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04553099 Supplier Number: 59197864 (USE FORMAT 7 FOR FULLTEXT)

Silicon Labs Unveils ProSLIC.

InsideChips.Ventures, v22, n2, pNA

Feb 20, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 452

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Silicon Laboratories has unveiled the Si3210 ProSLIC, the first integrated **CMOS** analog telephone interface. The Si3210 integrates the **Subscriber Line Interface Circuit** (SLIC), codec and DC-to- DC converter controller into a single **CMOS integrated circuit** , providing 30% cost savings and 50% board-space reduction compared to traditional multi-chip bipolar...

25/3,K/13 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00295933 85-36367

Bipolar and MOS Make the Best of All Possible Network Worlds

Parker, Jeffry; Ibrahim, Hadi

Data Communications v14n11 PP: 181-184 Oct 1985

ISSN: 0363-6399 JRNL CODE: DCM

ABSTRACT: No single **integrated circuit** (IC) technology is ideal for implementing all telephone interface functions. From the systems point of view, however, a combination of bipolar and metal-oxide **semiconductor** (MOS) technology in a 2-chip set would draw on the strengths of both technologies...

... this combination is the pairing of a subscriber line audio-processing circuit (SLAC) and the **subscriber line interface circuit** (SLIC). In the same context, the functional partitioning of Integrated Services Digital Network (ISDN) devices...

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25/3,K/14 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00113696 80-07584

Semiconductor Industry Keeps Both Eyes Fixed on the Telecom Industry

Myers, Del

Telephony v198n10 PP: 81-82 Mar 10, 1980

ISSN: 0040-2656 JRNL CODE: TPH

ABSTRACT: The **semiconductor** industry is committing substantial efforts to the development of solid state telecommunications circuits. Solid-state...

... per function. Trends point toward the development of a relatively few single-chip, large-scale **integrated circuits** that will be the standard building blocks for telecommunication systems. here are intensive efforts to ...

... a single silicon chip. This will raise numerous issues, however, including the cost advantages of **subscriber line interface circuit** (SLIC) technology, the problems of low voltage signaling occurrence and the cost/performance impact of...

25/3,K/15 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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02949715

Siemens Semiconductors Licenses Aware's DSL-Lite Technology and Introduces the First Splitterless Central Office Chip Set

BUSINESS WIRE

September 28, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 822

... performance DSL central office solutions. Based on the massive installed base of existing Siemens line **card chip** sets in more than 120 countries, we see an enormous upgrade opportunity with this new...

... Internet access over existing telephone networks. The company licenses its intellectual property and software to **semiconductor** manufacturers and equipment manufacturers who manufacture and sell **integrated circuits** or equipment incorporating Aware technology. Aware markets its technology to systems companies to encourage them...

...More information about Aware can be found at <http://www.aware.com>. About Siemens Siemens **Semiconductor** Group is a leading worldwide provider of **integrated circuits**, memory products, RF components and discrete, power and opto **semiconductors**. The comprehensive product line of Siemens **Semiconductors** serves a wide range of customers active in telecommunications, automation, data processing, automotive and consumer electronics. Siemens is the market leader for **chip card** ICs. In fiscal 1996/97, the **Semiconductor** Group achieved sales of \$3.5 billion (DM 5.9 billion) and employed 22,600...

... [siemens.com/dsl](http://www.siemens.com/dsl). More information about Siemens can be found at <http://www.siemens.com/> **semiconductor**. Note to Investors: This press release contains certain statements of a forward-looking nature relating...

25/3,K/16 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

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01861310 (USE FORMAT 7 OR 9 FOR FULLTEXT)

AMD At SuperComm: "Building the World Network" One Chip At a Time; Latest
Semiconductor Products Showcased At Atlanta Event

BUSINESS WIRE

June 08, 1998 8:14

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 915

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... HVALIC (High Voltage Advanced Subscriber Line Interface Circuit)
are the industry's most integrated linecard **semiconductors** and eliminate
the need for external hardware by adding built-in test and monitoring
functions...

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26/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01886062 Supplier Number: 42396065 (USE FORMAT 7 FOR FULLTEXT)
-24Volt Monolithic SLIC is Industry's First
Semiconductor Industry & Business Survey, v13, n12, pN/A
Sept 30, 1991
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 203

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
Harris Semiconductor 's HC-5524, a **subscriber line interface circuit** for lower-voltage PBX and digital loop carrier (DLC) applications, replaces traditional transformer-based line...

...card's low-voltage filtering and coding/decoding functions and the traditional telephone subscriber pair (**Tip** and **Ring**).

26/3,K/2 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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00731973.
Siemens (W Germany) has developed a two channel coding element, for digital electronic telecommunication switching systems each containing a **NMOS and Bipolar-Chip**.
Elektronik-Zeitung February 5, 1982 p. 22 4
Language: German

... They are housed in a dual cavity element and linked to major functions via a **subscriber line interface circuit** (SLIC). Between the Codec and the SLIC there is another **transmission and receiver filter** which acts as an integrated component. This filter consists of a monolithic **NMOS** and acts on the active filter principle with a switch capacitor to direct signals into...

26/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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11587551 SUPPLIER NUMBER: 55618741 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IC LIKES BEING CALLED "SLIC".(Brief Article)(Statistical Data Included)
Schweber, Bill
EDN, 44, 10, 18
May 13, 1999
DOCUMENT TYPE: Brief Article Statistical Data Included ISSN: 0012-7515
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 136 LINE COUNT: 00014

TEXT:

Designed for short-loop telephone systems, including wireless-local-loop and ISDN TA applications, the STLC3055 **subscriber - line interface circuit** (SLIC) from STMicroelectronics needs just one 5.5 to 15.8V supply. A dc/dc converter within the IC, operating in the 90- to 125-kHz range, develops all other voltages needed, including the...

...70V battery-feed supply. The 44-lead TQFP device includes standard SLIC BORSHT (battery, overvoltage, **ring** -trip, supervision, hybrid test) functions, including ringing, on hook **transmission**, high-impedance mode, **ring** trip, metering pulse injection, and polarity-reversal protection. You

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control it via a 3.3V...

26/3,K/4 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03144789 Supplier Number: 46435522 (USE FORMAT 7 FOR FULLTEXT)
LUCENT TECHNOLOGIES: Lucent Technologies introduces a new chip for ring generation
M2 Presswire, pN/A
June 3, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 407

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
M2 PRESSWIRE-3 June 1996-LUCENT TECHNOLOGIES: Lucent Technologies introduces a new chip for **ring** generation (C)1994-96 M2 COMMUNICATIONS LTD RDATE:290596 BERKELEY HEIGHTS, N.J. -- The ATTL7554 Ringing SLIC (**Subscriber Line Interface Circuit**), from Lucent Technologies' Microelectronics Group (formerly AT&T Microelectronics) provides ringing for short loop applications...

...designers using this chip will realize cost savings because it eliminates the need for separate **ring** -generation circuitry. This device also offers distortion-free, on-hook **transmission** in both the **send** and **receive** directions that can provide the caller ID feature for many applications, including fiber-in-the...

...marketing manager, Lucent Technologies. "That includes everything from protection devices, switches, SLICs and CODECs to **ring** generators. If you think of an analog line card as your canvas, think of us...

...T's restructuring into three separate, publicly held companies. Its Microelectronics Group designs and manufactures **integrated circuits**, optoelectronics, power systems and printed circuit boards for applications in the telecommunications and computing industries...

26/3,K/5 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01591416 Supplier Number: 42396065 (USE FORMAT 7 FOR FULLTEXT)
-24Volt Monolithic SLIC is Industry's First
Semiconductor Industry & Business Survey, v13, n12, pN/A
Sept 30, 1991
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 203

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
Harris **Semiconductor** 's HC-5524, a **subscriber line interface circuit** for lower-voltage PBX and digital loop carrier (DLC) applications, replaces traditional transformer-based line...

...card's low-voltage filtering and coding/decoding functions and the traditional telephone subscriber pair (**Tip** and **Ring**).

26/3,K/6 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

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00162835 82-04396

Semiconductor Trends in Telecom

Hillman, Garth

Telecommunications v16n1 PP: 49-51 Jan 1982

ISSN: 0040-2494 JRNL CODE: TEC

...ABSTRACT: networks increases and the change from analog to digital type equipment continues, the use of **semiconductor** products will continue to grow rapidly. Digital switching will become the dominant technique by 1986
...

... The SCU has several components. When a person speaks into the telephone the signal is **received** by a **subscriber line interface circuit** and sent through a pulse code modulated filter. The signal is then sent to a pulse code modulated codec, where the actual conversion takes place. **Transmission** then is accomplished through the Time Slot Assignment Circuit and the call processor. Motorola is...

...The channel group controller function can be fulfilled with the MC148605 family of 8-bit **CMOS** microcontrollers, and the call processing function with the MC68000. Memory requirements can be met as...

26/3,K/7 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext

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00593924 CMP ACCESSION NUMBER: EBN19910819S3139

Harris SLIC Runs On 24 V - Cuts Power Consumption In Half

David Roman

ELECTRONIC BUYERS' NEWS, 1991, n 767, 21

PUBLICATION DATE: 910819

JOURNAL CODE: EBN LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Products

WORD COUNT: 261

TEXT:

... line interface circuit (SLIC), a 24-volt interface between the traditional telephone subscriber signal pair (**Tip** and **Ring**) and the low-voltage filtering and coding/decoding functions of the line car

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28/3,K/1 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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09475695 Supplier Number: 83341837 (USE FORMAT 7 FOR FULLTEXT)

Peregrine Semiconductor Announces Industry's First 10 Gbps QUAD VCSEL Transceiver Optical Engine.

Business Wire, p0135

Feb 28, 2002

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1186

... built using Peregrine's PETs that are based on Peregrine's UTSi Silicon on Sapphire **CMOS** IC technology and employ the patent pending FOCUTS and FOCUTSpak packaging and assembly technologies. FOCUTS utilizes ...

...to flip-chip bond O-E devices onto the UTSi circuitry to form the four **transmitter** (Tx) and four **receiver** (Rx) data channels. The UTSi based Laser Diode Drivers (LDD) and integrated Transimpedance Amplifier -- Limiting...

...the industry's first Tx and Rx PMD functions to be integrated onto a single IC. This level of integration is made possible by the superior isolation properties of the UTSi **CMOS** circuitry. The assembly results in better channel-to-channel **isolation**, less **power** consumption, and lower parasitics than bulk **CMOS**, or more exotic technologies such as SiGe Bipolar and BiCMOS based devices, while providing the...

28/3,K/2 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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09308549 Supplier Number: 81014386 (USE FORMAT 7 FOR FULLTEXT)

Analog Devices Aims to Improve Police Radios and Narrowband Networks With Mixed-Signal Solution; --Radio receiver subsystem enables mission-critical performance at 50% lower power consumption--.

PR Newswire, pNEF01321122001

Dec 21, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 644

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

NORWOOD, Mass. -- Analog Devices, Inc., a global leader in high-performance **semiconductors** for signal processing applications, today announced a new IF (intermediate frequency) digitizing IC designed for radios that must meet the highest standards of reliability and performance. Private mobile...

...as narrowband communications systems for fleet management of taxis and delivery services, rely on radio **receivers** that can **detect** weak **signals** in the presence of large interference. The new AD9874 integrates the IF-to-digital conversion...

...a single chip that can be used to design a highly-sensitive, very low-power **receiver** suitable for a range of equipment, including **dispatcher** base stations, handheld portable radios and in-vehicle consoles.

28/3,K/3 (Item 3 from file: 16)

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DIALOG(R)File 16:Gale Group PROMT(R)
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08304213 Supplier Number: 69237654 (USE FORMAT 7 FOR FULLTEXT)
Vitesse Semiconductor Samples Fibre Channel Storage IC.(Product Announcement)

Electronic News (1991), v46, n42, p24
Oct 16, 2000
Language: English Record Type: Fulltext
Article Type: Product Announcement
Document Type: Magazine/Journal; Trade
Word Count: 305

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

VITESSE **SEMICONDUCTOR** Corp. has unveiled an **IC** for the 2.125Gbit/sec. Fibre Channel storage market that it says will enable designers...

...Disk Arrays, JBODs and storage subsystem equipment to integrate more ports and disk drives. The **IC** extends the Camarillo, Calif.-based company's Fibre Channel portfolio and is the first six...

...And 2.125Gbit/sec. Fibre Channel data rates, according to Vitesse. The company believes the **IC** will allow designers to maintain high signal quality while using fewer components. The VSC7147 features...

...sent synchronously to a local reference clock with no jitter transfer. The device has two **signal - detect** units to **detect** the presence of valid Fibre Channel encoded serial data and offers user-selectable on-chip **receive -and- transmit** termination at either 100ohms or 150ohms and 2.5V operation, Vitesse said. "The FibreTimer technology...

...the emerging 2Gbit/sec. market in a product optimized for the disk-array market." The **IC** costs \$21.81 each in quantities of 1,000. The device is sampling now and...

28/3,K/4 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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06327644 Supplier Number: 54592606 (USE FORMAT 7 FOR FULLTEXT)
Vitesse Introduces CMOS Quad Gigabit Ethernet/Fibre Channel Compliant Interconnect IC.

Business Wire, p0825
May 10, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 378

Vitesse **Semiconductor** Corporation (Nasdaq:VTSS) today introduced the newest member of the Velocity Family of high performance **CMOS** serial communication ICs, the VSC7216 -- a quad multi-gigabit interconnect **IC** that is ideal for high bandwidth bus, backplane and system-to-system connections. The VSC7216...

...8-bit parallel data, performs 8B/10B encoding and decoding (with a bypass option), and **sends** the data over four differential signal pairs, while automatically compensating for data skew among the...

...I/O supports high reliability / high availability system architectures. Added features include analog and digital **signal detect , receiver** cable equalization, and JTAG boundary scan to facilitate chip-level and board-level testing. The...

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28/3,K/5 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06226751 Supplier Number: 54242667 (USE FORMAT 7 FOR FULLTEXT)
Chips: Siemens Microelectronics Adds High-Speed VDSL Chip Solution to
POTSWIRE Product Portfolio. (Product Announcement)
EDGE, on & about AT&T, pNA
March 29, 1999
Language: English Record Type: Fulltext
Article Type: Product Announcement
Document Type: Newsletter; Trade
Word Count: 892

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...digital data pump (PEB 22812) an analog front end (PEB 22811) and a line driver IC (PEB 22810). The chip set is based on QAM line code and is fully compliant...

...for target applications. It delivers high-speed symmetrical and asymmetrical capabilities while still exceeding the **transmission** distance required for mass deployment," said Uwe Hering, Solution Center Marketing Manager in San Jose...

...Technology The VDSL chip set is the result of a joint development effort between Siemens **Semiconductor** Group in Munich and Savan Communications Ltd. The new chip set applies Savan's expertise...

...Quadrature Amplitude Modulation) VDSL technology to the European Telecommunications Standards Institute (ETSI) standards committee and **received** much attention within the Full Services Access Networks (FSAN) group. "The range capabilities, as well...

...telephone service providers," said Dr. Herman Eul, Vice President and head of Siemens Digital Transceivers IC Division. "We anticipate that Savan's new technology will be readily accepted as an industry...

...new VDSL chip set are currently undergoing testing throughout the world and have thus far **received** outstanding results. Pricing will be competitive with ADSL chip sets. Engineering samples of the chipset...

...More information can be found on the World Wide Web at:
<http://www.siemens.com/semiconductor/xdsl> Savan Communications Ltd. was established in 1996 with headquarters in Israel and a branch...

...s VDSL modems are specified to be compatible with the FSAN and ETSI recommendations. Siemens' **Semiconductor** Group, based in Munich, Germany, is the 10th largest **semiconductor** manufacturer worldwide and is a leading provider of **integrated circuits**, memory products, RF components, **chip card** ICs, discrete and **power semiconductors**, **sensors** and fiber optic components. The comprehensive product line of Siemens **Semiconductors** serves a wide range of customers active in telecommunications, automotive and consumer electronics, data processing and automation. Siemens Microelectronics is its U.S. affiliate. In fiscal 1997/98, the **Semiconductor** Group achieved sales of \$3.8 billion (DM 6.7 billion) and employed 25,000...

28/3,K/6 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04615424 Supplier Number: 46789484 (USE FORMAT 7 FOR FULLTEXT)
TDK SEMICONDUCTOR CORPORATION NOW OFFERS LOW-COST, LOW-POWER ETHERNET

February 24, 2003

TRANSCEIVER IC FOR 101100 Mbit/s APPLICATIONS

News Release, pN/A

Oct 10, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 602

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...member to offer the industry 3.3-V operation, a requirement for implementing adapters on **PCMCIA Cardbus**," said Michelle Johnson, network marketing manager for TSC. "Our first 3.3-V device was...

...no other supplier on the market today with these two features." Bridge-Driver mode allows **transmit** driver current to be halved, saving power in battery-powered applications. Ideal for CardBus, the...

...the ability to operate at 3.3V and the optional Bridge-Driver mode. In the **receiver** section of the 78Q2120, an incoming signal from a single, 1:1 isolation transformer passes...

...offset or baseline wander caused by the transformer, correct for these conditions, and restore the **received** pulses to logic levels. The **detected** data **signal** is then decoded through analog **receivers** and the clock signal extracted for synchronization. The autospeed negotiator then senses the data rate...

...parallel converter which outputs 5-bit code groups that are then converted to 4-bit **receive** data. Either signal stream is then presented through the MII to the MAC for further processing. In the on-chip **transmit** section a signal from the MAC is passed through the MII, converted from parallel to...

...for implementing combo products. A host loop-back mode is also provided for testing the **signal** path and **diagnosing** line problems. The new 78Q2120 is available in 80-lead TQFP packages. Evaluation units are...

...for \$25.00 for volumes of 500 pieces. Volume deliveries begin in late 1996. TDK **Semiconductor** Corporation, a TDK Group company, is a leader in advanced technology **IC** solutions for the communications markets. The company provides a portfolio of innovative **semiconductors** for LAN, embedded modem and set-top box applications. Its products are used globally for...

28/3,K/7 (Item 7 from file:16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04566017 Supplier Number: 46711879 (USE FORMAT 7 FOR FULLTEXT)

MOTOROLA INTRODUCES 33.6 MODEM/FAX PC CARDS WITH ENHANCED CELLULAR CONNECTIVITY

News Release, pN/A

Sept 16, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 935

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Industry Leading **PC Cards** Are Now 15% Faster Than 28.8 Modems With Better Connect Rates And Data Throughput...

...Mobile Computing Products Division announced today that Montana, its highly-acclaimed 28.8 modem/fax **PC Card**, is available now with 33.6

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Kbps performance, the industry's fastest rate. The 33...

...card, will be available next month. Under industry standard tests¹, the new Montana and Mariner **PC Cards** consistently connect at rates up to 15% faster than current 28.8 modems. These tests also confirm that the **PC Cards** outperform many desktop 33.6 modems despite the space limitations of the **PC Card** form factor. Additionally, Mariner and Montana successfully connected at rates of 24 Kbps or higher...

...6 modem. "In a very short time, the 28.8 Montana has become the top **PC Card** in its category at several nationwide retailers. With today's demand for even faster Internet...

...Reimer. "These products reinforce our strategy to secure leadership in the communications segment of the **PC Card** market by highlighting both the wireline and wireless performance advantages of Motorola **PC Cards**." Performance Matched Cellular Solutions Montana and Mariner are the first cellular modems to **receive** MC2 Certification from Motorola's Cellular Subscriber Group, guaranteeing end users that all Motorola **PC Cards** are developed and tested with the highest quality standards and provide full seamless integration with...

...cellular connectivity difficult for end users. "Cellular connectivity is quickly becoming a 'checklist' feature for **PC Card** fax/modem products. We have been able to leverage Motorola's leadership position in cellular...

...performance. For example, unlike many other cellular modems, Montana and Mariner include credit card "bong" **detection**; cellular **signal** strength indication; cellular service status/roaming; and Personal Identification Number (PIN) enabled remote-access systems. Motorola **PC Cards** also support the *DATA feature that allows access to cellular Service providers' data modem pools for "faster, more dependable **transmissions**". While many **PC Card** manufacturers only provide an interface to Motorola MicroTAC phones, Motorola **PC Cards** support a wide variety of Motorola phones, including the popular Elite StarTAC, and 3-watt...

...Data/Fax Modem Features In addition to leveraging many of Motorola's cellular technologies, Motorola **PC Card** modems also draw from a host of Motorola's industry patents and experience as a...

...3-watt phones will be available by October 1. For more information on these new **PC Cards** or to locate an authorized distributor near you, call 1-800-4A-PCMCIA. The Motorola Mobile Computing Products Division was established in 1995 and chartered with developing multi-function **PC Cards** and special-purpose **PC Cards**. The Division also coordinates and leverages **PC Card** opportunities that span multiple divisions within Motorola. Motorola is one of the world's leading providers of wireless communications, **semiconductors**, and advanced electronic systems, components, and services. Major equipment businesses include cellular telephone, two-way radio, paging and data communications, personal communications, automotive, defense and space electronics and computers. Motorola **semiconductors** power communication devices, computers and millions of other products. Motorola's 1995 sales were \$27...

28/3,K/8 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04111524 Supplier Number: 45997225 (USE FORMAT 7 FOR FULLTEXT)
MITSUBISHI ELECTRONICS MPEG-2 ENCODER CHIP SET ACHIEVES MAIN LEVEL 0 MAIN
PROFILE ENCODING WITH MAXIMUM OF 10 CHIPS
News Release, pN/A
Dec 11, 1995
Language: English Record Type: Fulltext

February 24, 2003

Document Type: Magazine/Journal; Trade
Word Count: 791

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...be the next digital broadcast standard for cable and network television. The standard enables the **transmission** of significantly more video data with higher picture quality over existing distribution systems, including satellites...

...chip MPEG-2 solution will enable significant reductions in MPEG-2 digital video encoding and **transmission** for the television and cable broadcast industries. It will also enable lower cost video servers...

...set will also pave the way for future MPEG-2 real-time encoder add-on **cards** at a **PC** price point," said Bell. No External Memory Controller Needed Adding to the high integration of...

...resolution. More Keys to Performance To handle the high-speed 140-Msamples-per-second data **transmission** rate required by the MPEG encoding process, a double 32-bit bus structure is used...

...two 32-bit pixel data ports. Supporting both frame and field pictures, the chip set **receives** the digital video source with a 4:2:2/4:2:0 format and **transmits** the bit stream at up to 20Mbps. The system operates at 40.5MHz with internal...

...Inc. provides JPEG and MPEG codecs, standard and application-specific memory ICs, standard and custom **memory** modules, **IC cards**, microcontrollers, gate arrays, application-specific standard products (ASSPs), digital and analog standard ICs, optoelectronic products, microwave GaAs FETS and RF **power semiconductors**, contact image **sensors**, color TFT flat-panel displays and flexible disk drive products. Mitsubishi serves its customers locally...

28/3,K/9 (Item 9 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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02897517 Supplier Number: 43910201 (USE FORMAT 7 FOR FULLTEXT)

VLSI TECHNOLOGY HAS 80486SL NOTEBOOK CHIP SET

Computergram International, n2192, pN/A

June 18, 1993

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 321

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...use existing power management software and firmware developed for current 80386SL and 80486SL systems. The **chip card** slot controller is register-compatible with Intel's 82365SL **PCMCIA PC Card** interface **chip**. The SCAMP IV set comprises three devices - VL82C420 system controller, VL82C144 peripheral combination chip, and...

...via the VLSI proprietary Multiplexed Local Bus interface; they are implemented in 0.8 micron **CMOS** and support mixed voltage operation at 3V and 5V. The VL82C420 is designed to be...

...chip also includes floppy disk controller with digital data separator, a 16C550-compatible universal asynchronous **transmitter - receiver** with infra-red support. Power management features include socket power control, 3.3V/5V suspend with modem and **ring** resume **detection** and **power** saving with Window inactivity. Up to four VL82C146s can be used in each system.

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Samples...

28/3,K/10 (Item 1 from file: 160)
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02246969

**SIERRA SEMICONDUCTOR UNVEILS INDUSTRY'S FIRST 2400 BPS MODEM IC TO
INCORPORATE A G3-COMPATIBLE SENDFAX OPERATING CAPABILITY**
News Release June 12, 1989 p. 1

Sierra Semiconductor Corporation today introduced the SC11046, the industry's first single-chip 2400 bit-per-second (bps) modem IC to incorporate a G3-compatible facsimile (FAX) capability for **transmission** at 4800 bps. The **CMOS** SC11046 modem IC, when used in conjunction with an external controller, such as the Sierra SC11011, implements a Hayes-compatible CCITT V.22bis 2400-bps full-duplex intelligent modem having a **Sendfax** G3 mode capability. The controller performs all modem control functions including the **Sendfax** call establishment in accordance with industry-standard T.30 recommendation. The Sierra marketing director expects that 2400 bps modem products incorporating the **Sendfax** capability and bundled with **Sendfax** communication software will command less than a \$40 surcharge over a comparable 2400 bps modem...

...22bis, V.22, V.21 as well as Bell 212A and 103 standards. The G3 **Sendfax** communication also incorporates a fallback operating mode for slower operation under poor line conditions. The...
...with the Sierra controller, the SC11046 implements the industry-standard "AT" command set with added **Sendfax** capability. Pin compatible with Sierra's SC11006 industry-standard 2400 bps modem, the SC11046 is...

... external component count when implementing intelligent modems; analog, digital and remote digital loopback functions for **diagnostic signal** -path tests; a hybrid for phone line matching and interfacing; all **transmit** and **receiver** filters; and a host of additional digital and analog circuit and interface circuit functions needed to implement complete modem and **Sendfax** capabilities. ...

28/3,K/11 (Item 2 from file: 160)
DIALOG(R) File 160:Gale Group PROMT(R)
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01861273

Record non-relay optical distance obtained
Dempa Digest February 1, 1988 p. 1
ISSN: 0288-6103

NEC conducted a 52.5 km optical **transmission** experiment with a 1.2 Gbps optical fiber, using an optoelectronic IC that combines a **semiconductor** laser and opto- **receiver** with an electronic circuit. Its structure is layered GaAs crystal on an InP plate and its **transmission** output is 10 mW+. It **detects signals** attenuated to 1/1,000.
...

28/3,K/12 (Item 3 from file: 160)
DIALOG(R) File 160:Gale Group PROMT(R)
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01769376

2-Chip StarLAN Transceiver Offers Current Sense
Electronic Engineering Times August 24, 1987 p. 51
ISSN: 0192-1541

February 24, 2003

...designed licensed from NCR. The chip set features an adaptive hybrid block that achieves collision **detection** through **current sensing**. The Exar XRT 82515/T82C516 chip set conforms to IEEE 802.3 1 Base 5 (CSMA/CD) specifications. The hybrid block incorporates an adder; an input buffer to **sense** incoming cable **voltage** to supply to the adder; a gain adjust that **receives** input from the line driver; and a phase comparator to signal the digital **CMOS** IC about which direction to change the gain adjust output. The chip set also incorporates a **transmitter** and **receiver**. The companion **CMOS** IC incorporates Manchester encoder and decoder, collision detection and carrier-sensing circuitry, and interface logic for ...

28/3,K/13 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06493641 SUPPLIER NUMBER: 14017489 (USE FORMAT 7 OR 9 FOR FULL TEXT)
VLSI Technology has 80486SL notebook chip. (SCAMP IV) (Product
Announcement)
Computergram International, CGI06180001
June 18, 1993
DOCUMENT TYPE: Product Announcement ISSN: 0268-716X LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 336 LINE COUNT: 00029

TEXT:

...use existing power management software and firmware developed for current 80386SL and 80486SL systems. The **chip card** slot controller is register-compatible with Intel's 82365SL **PCMCIA** **PC Card** interface **chip**. The SCAMP IV set comprises three devices - VL82C420 system controller, VL82C144 peripheral combination chip, and...

...via the VLSI proprietary Multiplexed Local Bus interface; they are implemented in 0.8 micron **CMOS** and support mixed voltage operation at 3V and 5V. The VL82C420 is designed to be...

...chip also includes floppy disk controller with digital data separator, a 16C550-compatible universal asynchronous **transmitter - receiver** with infra-red support. Power management features include socket power control, 3.3V/5V suspend with modem and **ring** resume **detection** and **power** saving with Window inactivity. Up to four VL82C146s can be used in each system. Samples...

28/3,K/14 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05433425 SUPPLIER NUMBER: 11100994 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Programmable controllers. (Instruments & Controls) (The 1991 Plant
Engineering Encyclopedia)
Plant Engineering, v45, n14, p262(6)
July 18, 1991
ISSN: 0032-082X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4094 LINE COUNT: 00331

... Printed circuit card that provides communications between an I/O rack and the processor. It **transmits** I/O rack input terminal status to, and **receives** output data from, the processor. Address - Numeric value used to identify a specific I/O...

...proper identification of I/O modules. Analog I/O module - Module (input for example) that **receives** an analog signal from a user device. An analog

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signal is one that is continuously...

...Institute. ASCII stands for the American Standard Code for Information Interchange. Baud - Unit of data **transmission** speed equal to the number of code elements (bits) per second. Binary-coded decimal (BCD)...
...logic functions. Boolean equation - Expression of relations between logic functions. Bus - Electrical channel used to **send** or **receive** data. Byte - String of binary digits operated upon as a unit. Unless otherwise specified, a...

...detection techniques for ensuring the security of data during storage in memory or during serial **transmission**. The data is generally summed up as bytes or words (with or without wraparound and...

...Pulse generator that synchronizes the timing of various logic circuits and memory in the processor. **Complementary metal oxide semiconductor (CMOS) - Integrated circuit** family with high noise immunity and low power consumption. It is especially useful in remote...

...value. Delimiter - Special ASCII character that terminates or ends an ASCII communication, normally a carriage **return**. Digital - Having discrete states. Digital logic most often is binary with two states, on and ...way data communication. Edit - Deliberately modify the user program. Encoder - (1) Rotary feedback device that **transmits** a specific code for each position. (2) Device that **transmits** a fixed number of pulses for each revolution. Exclusive OR XOR) - Mathematical operation between two...
...it converts the digital signals from computers or programmable controllers to analog signals suitable for **transmission** over a telephone line and vice-versa. Multiplexing - Time-shared scanning of a number of...

...energized (valid) for exactly one scan of the controller's logic. Optical coupler - Electrical signal **transmission** device in which a light emitting diode, energized by the input signal, is optically coupled...

...device which converts the light signal back to an electrical one. Such a device provides **electrical isolation** since there is no electrical connection between the input and output. Output - Signal provided from... indicating that the limit has been reached. Protocol - Defined set of rules and formats for **receiving** and **transmitting** data through communication channels. Read - To sense and decode the information in some type of...

...a PC to provide a hardcopy of process numbers, status and functions. Synchronous - Data is **transmitted** continuously against a time base that is shared by **transmitting** and **receiving** terminals. If no legitimate data are available to be sent at a given time, synch or idle characters are sent to keep the **transmitter** and **receiver** in time synchronization. Table - Group of consecutive registers used to store numerical values; maximum table...

...relative to its channel number and address index position. Transistor/transistor logic (TTL) Family of **integrated circuit** logic designed to operate on 5 V power supplies. Voltage levels greater than 2.4 ...

...levels greater than 0.0 V but less than 0.6 V as logical "0".
Transmitted data (TD) - Data line over which data is **transmitted**. (Pin 2 of an RS-232-C connector.) Twisted pair - Two insulated wires (signal and **return**) that are twisted around each other. Since both wires have nearly equal exposure to any...

28/3,K/15 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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02039702 SUPPLIER NUMBER: 03076825 (USE FORMAT 7 OR 9 FOR FULL TEXT)

February 24, 2003

Innovations for fluid power productivity 1983.

Hydraulics & Pneumatics, v37, p41(9)

Jan, 1984

ISSN: 0018-814X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3397

LINE COUNT: 00273

... 60 Hz supply power connected to enclosed terminal block through integral 1/2-in NPT **isolated electrical** conduit. Control circuits use 2 terminals each for NO and NC connections, have switching ratings...

...SAE and MS 16142 standards; mount externally in any position. Transamerica Delaval Barksdale Controls Div. **Sensor** provides **electrical** interface with mechanical action of fluid power cylinders, mounts directly into cylinder head. Hermetically-sealed...

...efficiency, wide speed range, and full torque capability during acceleration. Abex Corp. Denison Div. O- **ring** seal fitting For operating pressures to 6000 psi and burst pressures to 24,000 psi...

...000 psi respectively, in 1-1/4 in., ORS fitting uses standard 90-durometer O- **ring** in gland of male half which mates with flat face of female half. O- **ring** compressed when captive female nut is torqued for primary System has four levels of processors...

...ORS fittings have been thoroughly tested in laboratories and in the field on the hydrostatic **transmissions** of large crawler equipment of the John Deere Industrial Equipment Div. Laboratory tests included: vibration
...

...256, 16 bit to 4096, 17 bit; user memory from 1/2K to 24K with **CMOS** available on all, EP-ROM additionally available on two smaller sizes. Single loader/terminal operates...

...leakage, prevents contamination problems. Commercial Shearing Flow meter Compact 1/2-in flow meter with **adjustable electric** switching capabilities can be mounted in any position, has replaceable cartridge that allows monitoring of...

...half of unit has non-rising, low torque pressure adjustment knob with stop-action lock **ring** for pressure setting maintenance. Threaded filter bowl easily removed. Automatic filter drain operates wherever rapid...
...in lubricator settle back into oil reservoir and are not carried downstream. Aerosol can be **transmitted** long distance without wetting out before reaching point of need. Available with 1/4-in...visual displays, indicate operating conditions and monitoring. Respond when in-line pressure exceeds 22 psi, **return** to neutral color when pressure drops below 22 psi; pop-up indicators for manifold and...

...variations. Options include detent, port overloads, anti-cavitation checks, and electrohydraulic control packages. Hydreco Hydrostatic **transmission** Bent-axis HST series delivers flows from 15.2 to 61 in.sup.3./rev...

...Div., Owatonna Tool, Co. Silicone compound Heat and compression-set resistant, rust-colored silicone O- **ring** compound recommended for use in dry heat and high aniline oils; rust color assists for...

...70; AMS 3304, 3307, 3351; and M11-G-21569, Class II. Parker Seal Group O- **ring** Div. MPL system Operates on 30 to 120 psi lubed or non-lubed air filtered...

...dynamic O-rings. Elements include basic AND, OR, YES, NOT, and Memory, as well as **integrated circuit** modules such as Exclusive OR, NAND, and Inhibited OR. Of aircraft-grade aluminum bar stock...

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...air cylinder coupled to force-balance, servo-type positioner. Stroke control provided by remote pressure **transmitter** that is both repeatable and variable. Pressure rated from 25 to 125 psi; seals handle...

...more. Lehigh Fluid Power, Inc. Vacuum/pressure service fittings Full line of flat-faced, O- **ring** -sealed fittings available in sizes from 1/8 to 2 in. Fittings come as connectors...

28/3,K/16 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02545562 SUPPLIER NUMBER: 79056541 (USE FORMAT 7 OR 9 FOR FULL TEXT)
RS-232 in a miniature package.
Electronics Weekly, 31
Sept 19, 2001
ISSN: 0013-5224 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 157 LINE COUNT: 00015

TEXT:

Intersil is offering its smallest RS-232 serial data transceiver IC packaged in a miniature Micro Lead Frame (MLF) package. The ICL3243ECR transceiver converts TTL/ **CMOS** signal levels to and from serial RS-232. The transceiver combines 3 **transmitters** and 5 **receivers** in a single IC and meets all EIA/TIA-232 and V.28JV.24 specifications, at 3V. It is...

...both manual and automatic power down controls. With automatic power down enabled, this transceiver automatically **powers** down whenever it **senses** the removal of the RS232 cable. ESD protection for all RS-232 I/O pins...

28/3,K/17 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

24150118 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Microsemi Introduces New Dual Channel Regulator for Power Supplies, Microprocessors and Step-Down Power Conversion Applications
BUSINESS WIRE
July 30, 2002
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 764

... Microsemi Microsemi is a leading designer, manufacturer and marketer of analog, mixed-signal and discrete **semiconductors** . The company's **semiconductors** manage and control or regulate power, protect against transient voltage spikes and **transmit** , **receive** and amplify signals. Microsemi's products include individual components as well as complete circuit solutions...

28/3,K/18 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

24020718 (USE FORMAT 7 OR 9 FOR FULLTEXT)
System-on-Chip Transceiver is Low-Power, Economical Alternative to Bluetooth; Single Chip Design Reduces Time-to-Market for Short Range, Reliable Wireless Data Applications
BUSINESS WIRE
July 22, 2002
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 598

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... transmitted power of 0dBm. A direct sequence spread spectrum technique is employed to make the **signal** much harder to **detect** and intercept than conventional communication solutions based on techniques such as frequency hopping. This allows...

... a 3.0V +/-0.3V supply, with its low power architecture giving excellent battery life. **Transmit** and **receive** current consumption at 3.0V is less than 14mA and 25mA respectively. Suitable for use in temperatures ranging from -40(degree)C to +85(degree)C, the ASTRX1 IC is both FCC and ETSI compliant. Price and Availability ASTRX1 will be priced at \$4...

... will be available Q'3 2002, development kits available Q'4 2002. About AMIS AMI **Semiconductor** (AMIS) designs, manufactures, markets and sells application-specific **integrated circuits** (ASICs). Experts in digital and mixed-signal technologies, AMIS is committed to providing customers with the best total **integrated circuit** solution. The company provides a broad range of industry-leading FPGA-to- **ASIC** and **ASIC** -to- **ASIC** conversion services, and state-of-the-art mixed-signal ASICs, all with unprecedented manufacturing flexibility and dedication to customer service. AMI **Semiconductor** is based in Pocatello, Idaho, and maintains a strong global presence through design and sales...

... is a division of Austrian ADCON TELEMETRY A.G. and a specialist for wireless data **transmission** and alternatives to conventional communications technologies such as mobile radio communications. ADCON TELEMETRY's Applications Division provides complete solutions for measuring equipment and data **transmission**, including software for specialist application areas. The Technology Division focuses on the sale of digital ...

28/3,K/19 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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21159507
PR Newswire High Technology Summary Thursday, Feb. 7, 2002
PR NEWSWIRE
February 07, 2002
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 2255

...Camera SFTH070 02/07/2002 14:28 r f bc-CA-Altera-Echotek (SAN JOSE)
Altera Powers Echotek's High-Performance Wideband Digital **Transmitter**
/ **Receiver** SFTH066 02/07/2002 14:29 r f bc-CA-ARESCOM-Q4-Earns (FREMONT)
ARESCOM...

... f bc-API-military-supplier (NEW YORK) API Electronics chosen as exclusive provider of customized **integrated circuits** for military application SFTH071 02/07/2002 14:50 r f bc-CA-RiteKom-Photonics...

28/3,K/20 (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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20970424 (USE FORMAT 7 OR 9 FOR FULLTEXT)
COMNET 2002 Exhibitor Profiles; Conference & Exposition to Take Place Jan.
28 - 31 at the Washington Convention Center
BUSINESS WIRE
January 28, 2002
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 7727

(USE FORMAT 7 OR 9 FOR FULLTEXT)

February 24, 2003

... true sine wave, line-interactive, and on-line models rated up to 10kVA. For UPS **power** management and **diagnostics**, MINUTEMAN also provides SentryII software for all popular operating systems including Windows, Linux, UNIX, and DWDM, optical power meters, light sources, loss/**return** test sets, fiber certification kits, mini-OTDR's, fiber inspection scopes, fiber optic talk sets...

... transceivers for 10, 100, 10/100 and Gigabit Ethernet, ATM, T1/E1, RS-232, Token **Ring** and AS/400 networks. Omnitron's product lines provide flexible and powerful networking solutions with...

... the-art line of the highest quality tight-buffer fiber optic cables for "high bandwidth" **transmission**, which include data communications, LANs, telecommunications, video **transmission**, cable TV, traffic signaling, and military tactical communications. Optical Cable Corporation's fiber optic cables...

...thermoplastic shielded and unshielded cables that meet or exceed current industry standards for computer, data **transmission**, instrumentation, and other electronic applications. They also manufacture high speed data cables. Their DataMax cables...

... digital Telco cables for interconnecting T1, E-1, xDSL, and DS-3 switching and data **transmission** equipment. Company: Radware Booth: 254 Contact: Paul Macchia Phone: 201-512-9771 E-mail: <A...network performance via automatic Web-based reports and to manage networks remotely. Tavve customers also **receive** technical expertise on network issues from the industry experts on our Professional Services Team. Company... transwitch.com">www.transwitch.com TranSwitch Corporation develops, markets, and supports innovative, high-performance VLSI **semiconductor** solutions - which we call "Connectivity Engines" - for three fast-growing communications markets: the worldwide Public...

28/3,K/21 (Item 5 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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16075954

BUSINESS UPDATE

YOMIURI SHIMBUN/DAILY YOMIURI

April 10, 2001

JOURNAL CODE: FYOM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 2105

... the car is approaching an obstacle during parking maneuvers, front power seats with memory, an **adjustable power** steering column and an antitheft alarm system. The Japan Motor Industrial Federation Inc. (JMIF), the...

... global R&D network and customer support structure. Toshimasa Kihara, former general manager of microcomputer & **ASIC** product operation at Hitachi will serve as the new company's Chief Executive Officer, while... begin in June. When fully operational in September 2002, the new plant will produce compound **semiconductor** elements. Total investment in the plant is 30.8 billion yen. FINANCIAL SERVICES Fidelity Investments...

... finance, accounting, information systems, procurement and logistics of the group companies in Japan. Dietsch will **return** to Bayer AG for the new assignment of head of corporate finance. Witasek was born...

... as auditor in 1989. In 1995 he became president and country speaker of Bayer Pakistan. **Returning** to Germany in 1997, he took over the regions Europe, Latin America, Near East and...

February 24, 2003

... is subject to the required approval of the relevant regulatory authorities. TELECOMMUNICATIONS NTT DoCoMo Inc. **received** ISO 14001 certification for its headquarters and research and development center on March 30. The...

28/3,K/22 (Item 6 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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02899860

M/A-COM Announces New Low-Cost MMIC Mixer With Local Oscillator Amplifier
BUSINESS WIRE
September 23, 1998
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 365

... to the wireless telecommunications and defense-related industries. M/A-COM's products include RF **integrated circuits**, passive and control devices, antennas, cables and interconnects. Employing more than 4,200 people, M...

28/3,K/23 (Item 7 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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02874736

Altera's AMPPSM Program and Wipro Announce New Inverse Multiplexing for ATM Controller
PR NEWSWIRE
September 21, 1998
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 840

...technical information and training to the AMPP partners, who create and support megafunctions targeted for **Altera** programmable logic devices. **Currently**, there are 25 AMPP partners who offer 88 megafunctions. Customers may automatically request a free...

... for datacom and telecom markets. Wipro has the proven ability to undertake development of an **ASIC**, board, system, or combination of these from an initial specification to final product. The company...

... logic devices and associated computer aided engineering (CAE) logic development tools. Programmable logic devices are **semiconductor** chips that offer on-site programmability to customers. The chips are programmed using tools that...

... use, lower risk, and fast time-to-market. The company offers the broadest line of **CMOS** programmable logic devices that address high-speed, high-density, and low-**power** applications. **Altera** products serve a broad range of markets, including telecommunications, data communications, computer peripherals, and industrial...

28/3,K/24 (Item 8 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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02816470

Pulse Introduces New 10/100Mb Magnetics Module; Single-Port Solution for National Semiconductor's DP83843 10/100Mb Physical Layer Device Now Available
BUSINESS WIRE
September 15, 1998

February 24, 2003

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 431

... H1086 provides 2,000 volts of isolation combined with common mode noise filtering on both **transmit** and **receive** channels. Each transformer in the H1086 module offers 350uH (microhenry) minimum inductance with 8mA (milliamp) of dc bias for high signal integrity under the most demanding data **transmission** conditions. "Pulse has worked closely with National **Semiconductor** to optimize a module for the highest possible performance with its Phyter chip without increasing...

... of this construction method has been proven in several million magnetic modules to date. The IC grade transfer molded package withstands solder reflow temperatures in excess of 235 C. The H1086...

28/3,K/25 (Item 9 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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01228119 (USE FORMAT 7 OR 9 FOR FULLTEXT)
ANADIGICS Builds On Relationship With Leading New Jersey College; Company Donates Ion Implanter to NJIT Research Program
BUSINESS WIRE
March 24, 1998 14:15
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 608

... consumer electronic applications, including mobile telephones, cable television set top boxes, direct broadcast satellite TV **receivers**, fiber-optic data **transmission** systems, and other advanced communications networks. To date, ANADIGICS has delivered over 100 million GaAs ICs and was the first GaAs IC manufacturer to **receive** ISO 9001 Certification. For more information on ANADIGICS, visit the company's web site at...

28/3,K/26 (Item 1 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
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00770063
BLOCKBUSTER RENTING GBA
CONSUMER ELECTRONICS
July 16, 2001 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: WARREN PUBLISHING INC.
LANGUAGE: ENGLISH WORD COUNT: 3418 RECORD TYPE: FULLTEXT

(c) WARREN PUBLISHING INC. All Rts. Reserv.

TEXT:

...1
titles from N. America, which can be bought online. DVD Region X sample we **received** worked as promised on PS2, enabling us to switch among regional codes. Datel said DVD Region X didn't modify console hardware -- user simply plugs "X-Key" module into either **memory card** slot, loads "Region X CD-ROM," then reboots console and follows onscreen menu for changing...

...said result was down 25% from \$31.25 million for 2nd quarter ended March 31. **Semiconductor** company based in Los Altos, Cal., said pro forma net income for quarter was \$3...needed to upgrade it," Mullen said. UltimateTV, which combines 35 Gb hard drive with DirecTV **receiver**, probably will remain combo product and won't also be brought out as standalone DirecTV **receiver**, he said, and there are no immediate plans for

February 24, 2003

adding high-definition TV decoding. Addition...petition by Mitsubishi Electric,
SanDisk said. Petition had sought injunction to stop sale of CompactFlash **memory cards** sold by SanDisk K.K. in Japan. SanDisk said Mitsubishi claimed cards infringed on 3...Radio to prepare for full-scale commercial rollout later this summer. Company said it had **dispatched** "dozens" of teams of testers with XM radios to 20 major markets. Teams, composed of...PlayStation 2] but it still won't be enough" to meet demand.

Infogrames expects to **return** to profitability in year ending June 30, 2002, with targeted net profit margin of 4...

...It will include camera body, 16x IS II zoom lens, color viewfinder, CA-910 Compact **Power Adapter**, DC-900 coupler, BP-930 battery pack, WL--D3000 remote control, SP-100 shoulder brace...

28/3,K/27 (Item 2 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
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00730917

THIS WEEK'S YEN RATE
CONSUMER ELECTRONICS
June 19, 2000 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: WARREN PUBLISHING INC.
LANGUAGE: ENGLISH WORD COUNT: 4205 RECORD TYPE: FULLTEXT

(c) WARREN PUBLISHING INC. All Rts. Reserv.

TEXT:

...DTS-ES Discrete 6.1
decoding was among claims made of new Denon AVR-5800 **receiver**, which ships in Aug. at \$3,800 list. DTS-ES standard also includes DTS-ES...

...become
available in July. Aktis -- so named, Denon said, for "beam" and "ray" in Greek -- **transmits** infrared and RF signals for controlling AV components, accessories and lighting in sophisticated multiroom set...Inviso raised \$16.6 million in 2nd round of funding, attracting investors Chevron Corp., Cypress **Semiconductor**, Mitsui, Qualcomm. Inviso, which expects to release .47" microdisplay in fall with 800x600 resolution, has...

...in
Japan for Three-Five Systems, which also has stake in Inviso, one-time National **Semiconductor** division.

Thomson has shipped 27-36" direct-view sets for commercial market with built-in...retailer Circuit City. DivX enables pirates to compress large video files efficiently for relatively speedy **transmission** over Internet and at quality level that approaches DVD-Video. Gnutella originally was conceived and...input through digital recording process to analog output of content. Feature is included in Philips **Semiconductors** ' video decoder product offerings as complement to Philips' entire family of digital video encoders, Macrovision said. CPD will be incorporated into **integrated circuits** that convert analog video program sources into digital **signals**.
Detection circuit can determine whether incoming analog video program has been Macrovision-encoded by copyright owner...

...help prevent

February 24, 2003

recording of permanent copies. Company said it has made CPD available to qualified **semiconductor** manufacturers for integration into components destined for set-top boxes, hard-disc-drive-based entertainment...com will reduce burden on dealers for whom ordering and maintaining parts inventories offer "minimal **return** on investment."

Image Entertainment said DVD revenue rose 23% in 4th quarter and 57% for...DTS-ES Discrete 6.1 decoding was among claims made of new Denon AVR-5800 **receiver**, which ships in Aug. at \$3,800 list. DTS-ES standard also includes DTS-ES...

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...in Japan for Three-Five Systems, which also has stake in Inviso, one-time National **Semiconductor** division.

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large video files efficiently for relatively speedy **transmission** over Internet and at quality level that approaches DVD-Video. Gnutella originally was conceived and...input through digital recording process to analog output of content. Feature is included in Philips **Semiconductors**' video decoder product offerings as complement to Philips' entire family of digital video encoders, Macrovision said. CPD will be incorporated into **integrated circuits** that convert analog video program sources into digital **signals**.

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Image Entertainment said DVD revenue rose 23% in 4th quarter and 57% for...

28/3,K/28 (Item 3 from file: 696)
DIALOG(R)File 696:DIALOG Telecom. Newsletters
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00669952

FIBER UPDATE

FIBER OPTICS NEWS

May 10, 1999 VOL: 19 ISSUE: 19 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: PHILLIPS BUSINESS INFORMATION
LANGUAGE: ENGLISH WORD COUNT: 609 RECORD TYPE: FULLTEXT

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TEXT:

Vitesse Launches 3.3V Multi-Rate Clock **Integrated Circuit**
(www.vitesse.com).
Vitesse Semi-conductor Corp. of Camarillo, Calif., has introduced the VSC8122, a...

February 24, 2003

...clock outputs and
600 mV minimum output swings for data outputs. Contact: Patricia Ito,
Vitesse **Semiconductor** Corp., 805/388-3700.

ClearWorks Picks Xylan OmniSwitch For Fiber Networks
(www.clearworks.net).
ClearWorks...

...Bit PCI Adapter For Fiber Channel
(www.ipphase.com).
Interphase Corp. is marketing a new **PowerSAN** Fibre Channel
adapter for 64-bit PCI bus systems. In today's storage area
networking environments, servers are moving to multiprocessor
architectures with four and eight processors to push overall
performance. The **PowerSAN adapter** provides scaleable performance as
processors and or adapters are added to a server. The adapter...

...tool that allows control, analysis and troubleshooting
capabilities in a SAN environment. Pricing for the **PowerSAN adapter**
begins at \$1,595 for fiber connectivity and \$1,495 for copper.
Contact: Michael Eckley...notifies
storage/system administrators of any problems via e-mail, beeper,
event logs or by **sending** SNMP traps to an SNMP management host. Box
Hill refused to disclose pricing. Contact: Lourdes...

...multiplexing optical
transport system for deployment in its nationwide high-speed, fiber-
optic network. Ciena **received** an initial order for \$25 million and
has begun shipping equipment for the carrier's...

28/3,K/29 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
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0284409 92-30795

New '486 Notebook Matches Portability With True Workstation Performance
Wranovics, John
Business Wire (San Francisco, CA, US) s1 p1
PUBL DATE: 920331
WORD COUNT: 208
DATELINE: San Jose, CA, US

TEXT:

...Charge AC Adaptor
Battery life under battery run-down test: minimum 2.4 hours
AC **Adapter** :
External AC **power** supply
90V/264V autoswitching AC input
Quick Charge fully charged battery Power/OFF mode within...

...Numeric keypad
4MB/16MB upgrading memory module card
Internal Fax/Modem card
(FAX 9600 bps **send & receive**)
(Modem 2400 bps)
Availability of the LightWave is immediate.
Price: (suggested retail price)
With 80....